

ABSTRACT

An amplification circuit for a wireless base station is provided. The amplification circuit includes a first port adapted to communicate signals to and from an antenna and a second port adapted to communicate signals to and from a base station.

- 5 The amplification circuit further includes a first path and a second path with each path coupled between the first and second ports. The first path includes at least one bandpass filter and an amplifier that pass and amplify upstream signals in a first frequency band. The second path includes a filter that stops upstream signals in the first frequency band and passes upstream signals in at least a second frequency band and downstream signals
10 in at least third and fourth frequency bands.

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